

Att: DAVID Schreiber

Access DB# 134377

CRIF

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: JANE ZARA Examiner #: 77512 Date: 10/5/04
Art Unit: 1635 Phone Number: 202-2765 Serial Number: 09/915, 814
Mail Box and Bldg/Room Location: 2 D 28 Results Format Preferred (circle): PAPER DISK E-MAIL
2C18

If more than one search is submitted, please prioritize searches in order of need. MEY

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: AS Model of HSL

Inventors (please provide full names): M Butler et al.

Earliest Priority Filing Date: 7/26/01

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Please search Seq ID
between
No: 3, NT regions

+ 970 & 1143 - 3775
↑

Score over length plane w/ stringency of 80%

Length limit 8-50 NTs.

Therms.

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	Type of Search	Vendors and cost where applicable
Searcher: <u>D. Schreiber</u>	NA Sequence (#) <u>11</u>	STN _____
Searcher Phone #: <u>272-2526</u>	AA Sequence (#) _____	Dialog _____
Searcher Location: <u>Rensselaer E01A61</u>	Structure (#) _____	Questel/Orbit _____
Date Searcher Picked Up: _____	Bibliographic _____	Dr. Link _____
Date Completed: <u>10/13</u>	Litigation _____	Lexis/Nexis _____
Searcher Prep & Review Time: <u>15</u>	Fulltext _____	Sequence Systems <u>compu</u>
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: <u>62</u>	Other _____	Other (specify) _____

Attn: David Schreiber

Access DB# _____

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: JANE ZARA Examiner #: 7751 Date: 10/5/04
Art Unit: 1635 Phone Number: 302-0765 Serial Number: 09/95, 814
Mail Box and Bldg/Room Location: 2 D28 Results Format Preferred (circle): PAPER DISK E-MAIL
2C18

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: AS model of HSL

Inventors (please provide full names): M Butler et al.

Earliest Priority Filing Date: 7/26/01

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Please search Seq ID
between
No : 3, NT regions
1 - 970 & 1143 - 3775.

Score over length please ^{at stringing of} 80%.

Length limit 8-50 NTS.

Thanks.

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	Type of Search	Vendors and cost where applicable
Searcher: _____	NA Sequence (#) _____	STN _____
Searcher Phone #: _____	AA Sequence (#) _____	Dialog _____
Searcher Location: _____	Structure (#) _____	Questel/Orbit _____
Date Searcher Picked Up: _____	Bibliographic _____	Dr.Link _____
Date Completed: _____	Litigation _____	Lexis/Nexis _____
Searcher Prep & Review Time: _____	Fulltext _____	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: _____	Other _____	Other (specify) _____

LOCUS 116620 20 bp DNA linear PAT 03-APR-1996
 DEFINITION Sequence 5 from patent US 5476777.
 ACCESSION 116620
 VERSION 116620.1 GI:1251528
 KEYWORDS
 SOURCE Unknown.
 ORGANISM Unknown.
 REFERENCE 1 (bases 1 to 20)
 AUTHORS Holly,R.D. and Foster,D.C.
 TITLE Methods for producing thrombin
 JOURNAL Patent: US 5476777-A 5 19-DEC-1995;
 FEATURES Location/Qualifiers
 source 1..20
 /organism="unknown"
 /mol_type="unassigned DNA"

Query Match 0.6%; Score 16; DB 1; Length 20;
 Best Local Similarity 100.0%; Pred. No. 36;
 Matches 16; Conservative 0; Mismatches 0; Gaps 0;

QY 2761 CACTCCTTCTCTGAG 2776
 Db 17 CACTCCTTCTCTGAG 2

RESULT 30
 LOCUS 119059 20 bp DNA linear PAT 07-OCT-1996
 DEFINITION Sequence 5 from patent US 5502034.
 ACCESSION 119059
 VERSION 119059.1 GI:1599414
 KEYWORDS
 SOURCE Unknown.
 ORGANISM Unknown.
 REFERENCE 1 (bases 1 to 20)
 AUTHORS Holly,R.D. and Foster,D.C.
 TITLE Methods for producing thrombin
 JOURNAL Patent: US 5502034-A 5 26-MAR-1996;
 FEATURES Location/Qualifiers
 source 1..20
 /organism="unknown"
 /mol_type="unassigned DNA"

Query Match 0.6%; Score 16; DB 1; Length 20;
 Best Local Similarity 100.0%; Pred. No. 36;
 Matches 16; Conservative 0; Mismatches 0; Gaps 0;

QY 2761 CACTCCTTCTCTGAG 2776
 Db 17 CACTCCTTCTCTGAG 2

RESULT 31
 LOCUS 122333 20 bp DNA linear PAT 07-OCT-1996
 DEFINITION Sequence 5 from patent US 5527692.
 ACCESSION 122333
 VERSION 122333.1 GI:1602687
 KEYWORDS
 SOURCE Unknown.
 ORGANISM Unknown.
 REFERENCE 1 (bases 1 to 20)
 AUTHORS Holly,R.D. and Foster,D.C.
 TITLE Methods for producing thrombin
 JOURNAL Patent: US 5527692-A 5 18-JUN-1996;
 FEATURES Location/Qualifiers
 source 1..20
 /organism="unknown"
 /mol_type="unassigned DNA"

Query Match 0.6%; Score 16; DB 1; Length 20;
 Best Local Similarity 100.0%; Pred. No. 36;
 Matches 16; Conservative 0; Mismatches 0; Gaps 0;

Query Match 0.6%; Score 16; DB 1; Length 20;
 Best Local Similarity 100.0%; Pred. No. 36;
 Matches 16; Conservative 0; Mismatches 0; Gaps 0;

QY 2761 CACTCCTTCTCTGAG 2776
 Db 17 CACTCCTTCTCTGAG 2

RESULT 32
 LOCUS AX166727 19 bp DNA linear PAT 22-JUN-2001
 DEFINITION Sequence 218 from Patent WO0138503.
 ACCESSION AX166727
 VERSION AX166727.1 GI:14547002
 KEYWORDS
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens (human)
 REFERENCE 1
 AUTHORS Plowman,G.D., Whyte,D., Manning,G.S., Sudarsanam,S.S., Martinez,R.,
 TITLE Novel human protein kinases and protein kinase-like enzymes
 JOURNAL Patent: WO 0138503-A 218 31-MAY-2001;
 FEATURES Location/Qualifiers
 source 1..19
 /organism="Homo sapiens"
 /mol_type="unassigned DNA"
 /db_xref="taxon:9606"

Query Match 0.6%; Score 15.8; DB 1; Length 19;
 Best Local Similarity 89.5%; Pred. No. 36;
 Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1503 TGGCCGAGTGGAGCCCTA 1521
 Db 1 TGGCCGAGTGGAGCCCTA 19

RESULT 33
 LOCUS AX531969 17 bp DNA linear PAT 22-NOV-2002
 DEFINITION Sequence 1478 from Patent EP1239051.
 ACCESSION AX531969
 VERSION AX531969.1 GI:25255707
 KEYWORDS
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens (human)
 REFERENCE 1
 AUTHORS Shannon,M.
 TITLE Human posh-like protein 1
 JOURNAL Patent: EP 1239051-A 1478 11-SEP-2002;
 FEATURES Location/Qualifiers
 source 1..17
 /organism="Homo sapiens"
 /mol_type="unassigned DNA"
 /db_xref="taxon:9606"

Query Match 0.6%; Score 15.4; DB 1; Length 17;
 Best Local Similarity 94.1%; Pred. No. 35;
 Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1248 GCCAGGGTCTCTGGGANA 1264
 Db 1 GTCAGGGTCTCTGGGANA 17

RESULT 34

Db 24 CAGCAGCCTGATTAAGGCCACGCG 1

Db 1 CAGCAGCCTGATTAAGGCCACGCG 24

RESULT 136
AB189232

ID AB189232 standard; DNA; 24 BP.

AC AB189232;

DT 15-FEB-2002 (first entry)

DE Capture oligonucleotide zip ID#3418 oligo #1.

Human; K-ras; PCR primer; probe; capture probe; mutation detection;
ligase detection reaction; LDR; p53; BRCA1; BRCA2; infectious disease;
infection; 21 hydroxylase deficiency; Turner Syndrome; obesity; cancer;
oncogene; tumour suppressor; human papillomavirus; forensic;
environmental monitoring; food industry; feed industry; ss.

OS Synthetic.

PN WO200179548-A2.

PD 25-OCT-2001.

PF 04-APR-2001; 2001WO-US010958.

PR 14-APR-2000; 2000US-0197271P.

PA (CORR) CORNELL RES FOUND INC.

PI Barany F, Zivvi M, Gerry NP, Favis R, Kliman R;

DR WPI; 2002-034366/04.

PT Designing capture oligonucleotide probes for use on a support to which
complementary oligonucleotides hybridize with little mismatch.

PS Example 5; Fig 25; 300pp; English.

CC The present invention describes a method (M1) for designing capture
oligonucleotide probes (I) for use on a support to which complementary
oligonucleotide probes (II) will hybridise with little mismatch, where
CC (I) have melting temperatures within a narrow range. The method is useful
CC for detecting infectious diseases caused by bacterial infectious agents
CC e.g. Salmonella, Listeria monocytogenes and Haemophilus influenza, fungal
CC infectious agents e.g. Cryptococcus neoformans, Candida albicans and
CC Aspergillus fumigatus, viruses e.g. T-cell lymphocytotropic virus,
CC Epstein-Barr virus and polio virus, and parasitic infectious agents
CC selected from Onchocerca volvulus, Entamoeba histolytica and Diarrunculus
CC medusae. The method is also useful for detecting genetic diseases such
CC as 21 hydroxylase deficiency, Turner Syndrome and obesity defects.
CC Detecting cancer involving oncogenes, tumour suppressor genes, or genes
CC involved in DNA amplification, replication, recombination or repair, the
CC cancer is specifically associated with a gene selected from BRCA1 gene,
CC p53 gene, human papillomavirus types 16 and 18 and liver cancers. The
CC method is also used for environmental monitoring, forensics and the food
CC and feed industry, detecting environmental scanning (using e.g. a scanning
CC electron microscope and infrared microscope) the support at the
CC particular sites and identifying if ligation of the oligonucleotide probe
CC sets occurred and correlating (using a computer) identified ligation to a
CC presence or absence of the target nucleotide sequences. AB182074 to
CC AB197546 represent oligonucleotide sequences used in the exemplification
CC of the present invention

Sequence 24 BP; 8 A; 7 C; 7 G; 2 T; 0 U; 0 Other;

Query Match 0.7%; Score 19.2; DB 1; Length 24;
Best Local Similarity 87.5%; Pred. No. 11;
Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2134 CAGCAGCCTGATTAAGGCCACGCG 2157

RESULT 137
AAT43117/C

ID AAT43117 standard; DNA; 19 BP.

AC AAT43117;

DT 05-SEP-1997 (first entry)

DE Antisense primer to amplify hormone sensitive lipase gene.

Immortalised cell line; pre-adipocyte; viral oncogene; lipolysis; marker;
thermogenesis; diabetes; obesity; cell culture; differentiation; mature;
medium; insulin; dexamethasone; primer; PCR; polymerase chain reaction;
amplification; hormone sensitive lipase; ss.

OS Synthetic.

PN WO9634100-A1.

PD 31-OCT-1996.

PF 25-APR-1996; 96WO-FR000634.

PR 25-APR-1995; 95FR-00004922.

PA (CNRS) CNRS CENT NAT RECH SCI.

PI Strosberg AD, Zilberfarb V;

DR WPI; 1996-497632/49.

PT Immortalised pre-adipocytes contg viral oncogene fragment - useful for
identifying cpds that regulate lipolysis and thermogenesis, as lipolytic
agents and models for studying adipocyte processes.

PS Example 1; Page 17; 52pp; French.

CC The invention relates to new immortalised cell lines derived from pre-
adipocytes containing an immortalising fragment of a viral oncogene. The
CC immortalised adipocytes are used to identify substances able to regulate
CC lipolysis and/or thermogenesis (potential therapeutic agents for treating
CC diabetes and obesity). The cell lines have the advantage that they can be
CC maintained in long term culture (contrast primary cultures of adipocytes)
CC without loss of characteristic markers or ability to differentiate. The
CC immortalised pre-adipocytes differentiate into mature adipocytes when
CC placed in a medium containing insulin and dexamethasone. The primers
CC AAT43098-19 are used to amplify marker genes to verify differentiation of
CC the pre-adipocytes into mature adipocytes. Primers AAT43116-7 were used
CC to amplify a 286 bp region of the gene encoding a hormone sensitive
CC lipase, a marker for mature "brown" adipocytes

Sequence 19 BP; 1 A; 9 C; 3 G; 6 T; 0 U; 0 Other;

Query Match 0.7%; Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pred. No. 15;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2114 GACACAGACAGTGAGAGC 2132

Db 19 GACACAGACAGTGAGAGC 1

RESULT 138
AB282615

ID AB282615 standard; DNA; 19 BP.

AC AB282615;

DT 14-MAY-2003 (first entry)

AS7785/c
 LOCUS AS7785 19 bp DNA linear PAT 03-MAR-1998
 DEFINITION Sequence 20 from Patent WO9634100.
 ACCESSION AS7785
 VERSION AS7785.1 GI:3713609
 KEYWORDS
 SOURCE unidentified
 ORGANISM unidentified
 REFERENCE 1
 AUTHORS Strosberg,A.D. and Zilberfarb,V.
 TITLE IMMORTALISED CELL LINES FROM HUMAN ADIPOSE TISSUE, PROCESS FOR PREPARING SAME AND APPLICATIONS THEREOF
 JOURNAL Patent: WO 9634100-A 20 31-OCT-1996;
 CENTRE NAT RECH SCIENT (FR)
 COMMENT Other publication FR 2733513 961031.
 FEATURES
 source Location/Qualifiers
 1..19
 /organism="unidentified"
 /mol_type="unassigned DNA"
 /db_xref="taxon:32644"
 Query Match 0.7%; Score 19; DB 1; Length 19;
 Best Local Similarity 100.0%; Pred. No. 7.5;
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 2114 GGACAGGACAGTGGAGAC 2132
 Db 19 GGACAGGACAGTGGAGAC 1
 RESULT 4
 AR097599/c
 LOCUS AR097599 19 bp DNA linear PAT 14-FEB-2001
 DEFINITION Sequence 20 from patent US 6071747.
 ACCESSION AR097599
 VERSION AR097599.1 GI:12806329
 KEYWORDS
 SOURCE Unknown.
 ORGANISM Unknown.
 REFERENCE 1 (bases 1 to 19)
 AUTHORS Strosberg,A.Donny, and Zilberfarb,V.
 TITLE Immortalized cell lines from human adipose tissue, process for preparing same and applications thereof
 JOURNAL Patent: US 6071747-A 20 06-JUN-2000;
 FEATURES
 source Location/Qualifiers
 1..19
 /organism="unknown"
 /mol_type="unassigned DNA"
 Query Match 0.7%; Score 19; DB 1; Length 19;
 Best Local Similarity 100.0%; Pred. No. 7.5;
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 2114 GGACAGGACAGTGGAGAC 2132
 Db 19 GGACAGGACAGTGGAGAC 1
 RESULT 5
 AR139573
 LOCUS AR139573 21 bp DNA linear PAT 16-JUN-2001
 DEFINITION Sequence 90 from patent US 6207383.
 ACCESSION AR139573
 VERSION AR139573.1 GI:14482069
 KEYWORDS
 SOURCE Unknown.
 ORGANISM Unknown.
 REFERENCE 1 (bases 1 to 21)
 AUTHORS Keating,M.T. and Splawski,I.
 TITLE Mutations in and genomic structure of HERG-a long QT syndrome gene

JOURNAL Patent: US 6207383-A 90 27-MAR-2001;
 FEATURES
 source Location/Qualifiers
 1..21
 /organism="unknown"
 /mol_type="unassigned DNA"
 Query Match 0.7%; Score 17.8; DB 1; Length 21;
 Best Local Similarity 90.5%; Pred. No. 16;
 Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 QY 1532 CTCACCCAGCTCCGCGCTCTG 1552
 Db 1 CTCACCCAGCTCTGCTCTCTG 21
 RESULT 6
 BD223662
 LOCUS BD223662 21 bp DNA linear PAT 17-JUL-2003
 DEFINITION Mutations in and genomic structure of HERG - a long QT syndrome gene.
 ACCESSION BD223662
 VERSION BD223662.1 GI:33033432
 KEYWORDS JP 2002521065-A/88.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominiidae; Homo.
 REFERENCE 1 (bases 1 to 21)
 AUTHORS Keating,M.T. and Splawski,I.
 TITLE Mutations in and genomic structure of HERG - a long QT syndrome gene
 JOURNAL Patent: JP 2002521065-A 88 16-JUL-2002;
 UNIVERSITY OF UTAH RESEARCH FOUNDATION
 COMMENT OS Homo sapiens (human)
 PN JP 2002521065-A/88
 PD 16-JUL-2002
 PF 20-JUL-1999 JP 2000562554
 PR 27-JUL-1998 US 09/122847, 06-JAN-1999 US 09/226012 PI
 MARK T KEATING IGOR SPLAWSKI
 PC C12N15/09,A01K67/027,C07K14/47,C07K16/18,C12N1/15,C12N1/19, PC C12N1/21,
 PC C12N5/10,C12N5/10,C12Q1/02,C12Q1/68,G01N33/15,G01N33/50,G01N33/ PC 53,
 PC G01N33/53,G01N33/566,G01N33/577//C12P21/08,C12N15/00,C12N5/00,
 PC C12N5/00
 CC Mutations in and genomic structure of HERG - a long QT CC
 FH key Location/Qualifiers
 FT source 1..21
 /organism="Homo sapiens (human)".
 /organism="Homo sapiens"
 /mol_type="genomic DNA"
 /db_xref="taxon:9606"
 Query Match 0.7%; Score 17.8; DB 1; Length 21;
 Best Local Similarity 90.5%; Pred. No. 16;
 Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 QY 1532 CTCACCCAGCTCCGCGCTCTG 1552
 Db 1 CTCACCCAGCTCTGCTCTCTG 21
 RESULT 7
 AS7784
 LOCUS AS7784 17 bp DNA linear PAT 03-MAR-1998
 DEFINITION Sequence 19 from Patent WO9634100.
 ACCESSION AS7784
 VERSION AS7784.1 GI:3713608
 KEYWORDS